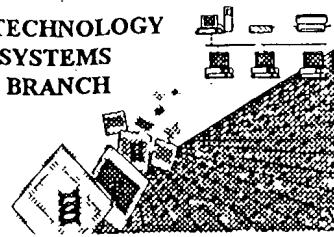


BIOTECHNOLOGY  
SYSTEMS  
BRANCH



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/963,367  
Source: 1Fwo  
Date Processed by STIC: 2/9/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT  
MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER  
VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND  
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.  
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 4B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03



IFWO

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/763,367

DATE: 02/09/2004

TIME: 08:12:50

Input Set : A:\ISIS0107-100.SEQ.txt

Output Set: N:\CRF4\02092004\J763367.raw

3 <110> APPLICANT: Bennett, C. Frank  
 4 Monia, Brett P.  
 5 McKay, Robert  
 6 Baker, Brenda F.  
 8 <120> TITLE OF INVENTION: Hepatocyte Free Uptake Assays  
 10 <130> FILE REFERENCE: ISIS0107-100 (CORE0028US)  
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/763,367  
 C--> 12 <141> CURRENT FILING DATE: 2004-01-23  
 12 <160> NUMBER OF SEQ ID NOS: 33  
 14 <170> SOFTWARE: PatentIn Ver. 3.1  
 16 <210> SEQ ID NO: 1  
 17 <211> LENGTH: 24  
 18 <212> TYPE: DNA  
 19 <213> ORGANISM: Artificial Sequence  
 21 <220> FEATURE:  
 22 <223> OTHER INFORMATION: Description of Artificial Sequence: PTEN forward primer  
 24 <400> SEQUENCE: 1  
 25 atgacaatca tgttgcagca attc 24  
 27 <210> SEQ ID NO: 2  
 28 <211> LENGTH: 25  
 29 <212> TYPE: DNA  
 30 <213> ORGANISM: Artificial Sequence  
 32 <220> FEATURE:  
 33 <223> OTHER INFORMATION: Description of Artificial Sequence: PTEN reverse primer  
 35 <400> SEQUENCE: 2  
 36 cgatgcaata aatatgcaca aatca 25  
 38 <210> SEQ ID NO: 3  
 39 <211> LENGTH: 26  
 40 <212> TYPE: DNA  
 41 <213> ORGANISM: Artificial Sequence  
 43 <220> FEATURE:  
 44 <223> OTHER INFORMATION: Description of Artificial Sequence: PTEN probe  
 46 <400> SEQUENCE: 3  
 47 gtaaaagctgg aaaggacgg actgg 26  
 49 <210> SEQ ID NO: 4  
 50 <211> LENGTH: 21  
 51 <212> TYPE: DNA  
 52 <213> ORGANISM: Artificial Sequence  
 54 <220> FEATURE:  
 55 <223> OTHER INFORMATION: Description of Artificial Sequence: fas forward primer  
 57 <400> SEQUENCE: 4  
 58 tccaaagacac agctgagcag a 21  
 60 <210> SEQ ID NO: 5

DnaS Not Comply  
 Corrected Diskette Needed

P.6

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/763,367

DATE: 02/09/2004  
TIME: 08:12:50

Input Set : A:\ISIS0107-100.SEQ.txt  
Output Set: N:\CRF4\02092004\J763367.raw

61 <211> LENGTH: 22  
62 <212> TYPE: DNA  
63 <213> ORGANISM: Artificial Sequence  
65 <220> FEATURE:  
66 <223> OTHER INFORMATION: Description of Artificial Sequence: fas reverse primer  
68 <400> SEQUENCE: 5  
69 tgcatactc ttcccatgag at 22  
71 <210> SEQ ID NO: 6  
72 <211> LENGTH: 26  
73 <212> TYPE: DNA  
74 <213> ORGANISM: Artificial Sequence  
76 <220> FEATURE:  
77 <223> OTHER INFORMATION: Description of Artificial Sequence: fas probe  
79 <400> SEQUENCE: 6  
80 agtccagctg ctccctgtgct ggtacc 26  
82 <210> SEQ ID NO: 7  
83 <211> LENGTH: 19  
84 <212> TYPE: DNA  
85 <213> ORGANISM: Artificial Sequence  
87 <220> FEATURE:  
88 <223> OTHER INFORMATION: Description of Artificial Sequence: apolipoprotein b forward primer  
90 <400> SEQUENCE: 7  
91 cgtgggctcc agcattctta 19  
93 <210> SEQ ID NO: 8  
94 <211> LENGTH: 21  
95 <212> TYPE: DNA  
96 <213> ORGANISM: Artificial Sequence  
98 <220> FEATURE:  
99 <223> OTHER INFORMATION: Description of Artificial Sequence: apolipoprotein b reverse primer  
101 <400> SEQUENCE: 8  
102 agtcatttct gcctttgcgt c 21  
104 <210> SEQ ID NO: 9  
105 <211> LENGTH: 22  
106 <212> TYPE: DNA  
107 <213> ORGANISM: Artificial Sequence  
109 <220> FEATURE:  
110 <223> OTHER INFORMATION: Description of Artificial Sequence: apolipoprotein b probe  
112 <400> SEQUENCE: 9  
113 ccaatggtcg ggcactgctc aa 22  
115 <210> SEQ ID NO: 10  
116 <211> LENGTH: 21  
117 <212> TYPE: DNA  
118 <213> ORGANISM: Artificial Sequence  
120 <220> FEATURE:  
121 <223> OTHER INFORMATION: Description of Artificial Sequence: microsomal triglyceride transfer protein forward primer  
123 <400> SEQUENCE: 10  
124 gagcggctcg gatttacaac g 21  
126 <210> SEQ ID NO: 11  
127 <211> LENGTH: 24

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/763,367

DATE: 02/09/2004

TIME: 08:12:50

Input Set : A:\ISIS0107-100.SEQ.txt

Output Set: N:\CRF4\02092004\J763367.raw

128 &lt;212&gt; TYPE: DNA

129 &lt;213&gt; ORGANISM: Artificial Sequence

131 &lt;220&gt; FEATURE:

132 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: microsomal triglyceride transfer protein reverse primer

134 &lt;400&gt; SEQUENCE: 11

24

135 aggtagtgac agatgtggct tttg

137 &lt;210&gt; SEQ ID NO: 12

138 &lt;211&gt; LENGTH: 23

139 &lt;212&gt; TYPE: DNA

140 &lt;213&gt; ORGANISM: Artificial Sequence

142 &lt;220&gt; FEATURE:

143 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: microsomal triglyceride transfer protein probe

145 &lt;400&gt; SEQUENCE: 12

146 caaaccagggt gctggggcgtc agt 23

148 &lt;210&gt; SEQ ID NO: 13

149 &lt;211&gt; LENGTH: 15

150 &lt;212&gt; TYPE: DNA

151 &lt;213&gt; ORGANISM: Artificial Sequence

153 &lt;220&gt; FEATURE:

154 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: murine cyclophilin a forward primer

156 &lt;400&gt; SEQUENCE: 13

15

157 tcgcccgcttg ctgca

159 &lt;210&gt; SEQ ID NO: 14

160 &lt;211&gt; LENGTH: 17

161 &lt;212&gt; TYPE: DNA

162 &lt;213&gt; ORGANISM: Artificial Sequence

164 &lt;220&gt; FEATURE:

165 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: murine cyclophilin a reverse primer

167 &lt;400&gt; SEQUENCE: 14

168 atcggccgtg atgtcga

17

170 &lt;210&gt; SEQ ID NO: 15

171 &lt;211&gt; LENGTH: 23

172 &lt;212&gt; TYPE: DNA

173 &lt;213&gt; ORGANISM: Artificial Sequence

175 &lt;220&gt; FEATURE:

176 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: murine cyclophilin a probe

178 &lt;400&gt; SEQUENCE: 15

179 ccatggtaa ccccacccgtg ttc 23

181 &lt;210&gt; SEQ ID NO: 16

182 &lt;211&gt; LENGTH: 20

183 &lt;212&gt; TYPE: DNA

184 &lt;213&gt; ORGANISM: Artificial Sequence

186 &lt;220&gt; FEATURE:

187 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: PTEN antisense

189 &lt;400&gt; SEQUENCE: 16

190 ctgcttagcct ctggatttga

20

192 &lt;210&gt; SEQ ID NO: 17

193 &lt;211&gt; LENGTH: 20

194 <212> TYPE: DNA

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/763,367

DATE: 02/09/2004  
TIME: 08:12:50

Input Set : A:\ISIS0107-100.SEQ.txt  
Output Set: N:\CRF4\02092004\J763367.raw

195 <213> ORGANISM: Artificial Sequence  
197 <220> FEATURE:  
198 <223> OTHER INFORMATION: Description of Artificial Sequence: PTEN antisense  
200 <400> SEQUENCE: 17  
201 cttctggcat ccgggtttaga 20  
203 <210> SEQ ID NO: 18  
204 <211> LENGTH: 20  
205 <212> TYPE: DNA  
206 <213> ORGANISM: Artificial Sequence  
208 <220> FEATURE:  
209 <223> OTHER INFORMATION: Description of Artificial Sequence: PTEN antisense  
211 <400> SEQUENCE: 18  
212 ctgcttagcct ctggatttga 20  
214 <210> SEQ ID NO: 19  
215 <211> LENGTH: 20  
216 <212> TYPE: DNA  
217 <213> ORGANISM: Artificial Sequence  
219 <220> FEATURE:  
220 <223> OTHER INFORMATION: Description of Artificial Sequence: PTEN antisense  
222 <400> SEQUENCE: 19  
223 cttctggcat ccgggtttaga 20  
225 <210> SEQ ID NO: 20  
226 <211> LENGTH: 20  
227 <212> TYPE: DNA  
228 <213> ORGANISM: Artificial Sequence  
230 <220> FEATURE:  
231 <223> OTHER INFORMATION: Description of Artificial Sequence: Fas antisense  
233 <400> SEQUENCE: 20  
234 tccagcaccc tcttttccgg 20  
236 <210> SEQ ID NO: 21  
237 <211> LENGTH: 20  
238 <212> TYPE: DNA  
239 <213> ORGANISM: Artificial Sequence  
241 <220> FEATURE:  
242 <223> OTHER INFORMATION: Description of Artificial Sequence: Fas antisense  
244 <400> SEQUENCE: 21  
245 tccatctcct tttatgccgg 20  
247 <210> SEQ ID NO: 22  
248 <211> LENGTH: 20  
249 <212> TYPE: DNA  
250 <213> ORGANISM: Artificial Sequence  
252 <220> FEATURE:  
253 <223> OTHER INFORMATION: Description of Artificial Sequence: MTTP antisense  
255 <400> SEQUENCE: 22  
256 cccagcaccc gggttgcgcgt 20  
258 <210> SEQ ID NO: 23  
259 <211> LENGTH: 20  
260 <212> TYPE: DNA  
261 <213> ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/763,367

DATE: 02/09/2004  
TIME: 08:12:50

Input Set : A:\ISIS0107-100.SEQ.txt  
Output Set: N:\CRF4\02092004\J763367.raw

263 <220> FEATURE:

264 <223> OTHER INFORMATION: Description of Artificial Sequence: Apo B antisense

266 <400> SEQUENCE: 23

267 gtcctgaag atgtcaatgc 20

269 <210> SEQ ID NO: 24

270 <211> LENGTH: 21

271 <212> TYPE: DNA/RNA

272 <213> ORGANISM: Artificial Sequence

274 <220> FEATURE:

275 <223> OTHER INFORMATION: Description of Artificial Sequence: PTEN antisense

277 <400> SEQUENCE: 24

278 cugcuagccu cuggauuugt t 21

280 <210> SEQ ID NO: 25

281 <211> LENGTH: 21

282 <212> TYPE: DNA/RNA

283 <213> ORGANISM: Artificial Sequence

285 <220> FEATURE:

286 <223> OTHER INFORMATION: Description of Artificial Sequence: PTEN sense

288 <400> SEQUENCE: 25

289 caaaucaggaa ggcuagcagt t 21

291 <210> SEQ ID NO: 26

292 <211> LENGTH: 21

293 <212> TYPE: DNA/RNA

294 <213> ORGANISM: Artificial Sequence

296 <220> FEATURE:

297 <223> OTHER INFORMATION: Description of Artificial Sequence: PTEN antisense

299 <400> SEQUENCE: 26

300 cuucuggcau ccgguuuagt t 21

302 <210> SEQ ID NO: 27

303 <211> LENGTH: 21

304 <212> TYPE: DNA/RNA

305 <213> ORGANISM: Artificial Sequence

307 <220> FEATURE:

308 <223> OTHER INFORMATION: Description of Artificial Sequence: PTEN sense

310 <400> SEQUENCE: 27

311 cuaaaccgga ugccagaagt t 21

313 <210> SEQ ID NO: 28

314 <211> LENGTH: 21

315 <212> TYPE: RNA

316 <213> ORGANISM: Artificial Sequence

318 <220> FEATURE:

319 <223> OTHER INFORMATION: Description of Artificial Sequence: PTEN antisense

321 <400> SEQUENCE: 28

322 cugcuagccu cuggauuuga c 21

324 <210> SEQ ID NO: 29

325 <211> LENGTH: 21

326 <212> TYPE: RNA

327 <213> ORGANISM: Artificial Sequence

329 <220> FEATURE:

the only valid responses for a nucleotide sequence are: DNA or RNA. Use "DNA" for a combined DNA/RNA sequence and explain in <2207-2237 section

↓  
see 1.823  
of Sequence  
Rules

Please correct this error in  
subsequent sequences, if shown.

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/763,367

DATE: 02/09/2004  
TIME: 08:12:51

Input Set : A:\ISIS0107-100.SEQ.txt  
Output Set: N:\CRF4\02092004\J763367.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:10; Line(s) 121  
Seq#:11; Line(s) 132  
Seq#:12; Line(s) 143

**VERIFICATION SUMMARY**

PATENT APPLICATION: **US/10/763,367**

DATE: 02/09/2004

TIME: 08:12:51

Input Set : **A:\ISIS0107-100.SEQ.txt**

Output Set: **N:\CRF4\02092004\J763367.raw**

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date